07

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

SEPTEMBER, 1939

J. A. BROWN, DIRECTOR

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SEPTEMBER 1939

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	58.6	57.9	58.3	58.3	31.4	21.8	28.9	29.6	25.6	28.0
2	8.4	8.0	8.4	8.3	31.7	22.9	28.0	29.8	25.5	27.8
3	8.2	7.6	7.9	7.9	31.9	23.3	27.6	29.7	26.1	27.8
4	7.9	7.8	7.4	7.7	32.2	22.8	28.3	31.1	26.2	28.5
5	5.4	4.8	7.6	5.9	32.2	22.8	28.0	31.6	25.8	28.5
6	58.3	58.2	58.6	58.4	32.3	23.5	28.0	31.3	24.8	28.0
7	8.5	8.3	8.9	8.6	31.4	23.3	28.4	30.8	24.6	27.9
8	8.9	8.0	8.8	8.6	31.4	22.8	29.4	30.2	24.7	28.1
9	5.3	6.5	7.2	6.3	31.9	22.7	28.2	31.6	25.5	28.4
10	7.8	6.7	7.5	7.3	32.5	22.2	28.3	31.9	26.8	29.0
11	58.1	57.4	57.8	57.8	32.5	22.2	28.2	31.1	24.7	28.0
12	7.1	6.0	6.0	6.4	32.1	21.8	28.0	31.3	24.8	28.0
13	5.9	7.8	8.0	7.2	31.7	22.3	28.6	30.0	24.8	27.8
14	5.5	5.3	6.5	5.8	31.7	Note*	28.6	30.5	25.2	28.1
15	8.6	8.7	9.3	8.9	31.4	23.6	27.8	29.9	25.5	27.7
16	60.5	60.4	60.6	60.5	31.7	23.6	28.2	30.2	25.6	28.0
17	59.3	58.1	57.8	58.4	31.4	23.3	28.0	30.0	25.5	27.8
18	7.7	6.5	6.8	7.0	31.5	23.1	28.0	27.6	26.6	27.4
19	7.5	7.2	7.4	7.4	32.2	23.3	28.3	30.2	26.1	28.2
20	9.0	9.0	9.3	9.1	32.5	23.4	28.3	30.5	25.5	28.1
21	60.1	59.3	59.1	59.5	32.2	24.4	27.9	30.1	25.3	27.8
22	58.5	7.5	7.9	8.0	31.4	22.8	27.7	30.6	26.1	28.1
23	7.6	7.4	7.8	7.6	31.7	23.3	28.3	30.5	26.1	28.3
24	8.7	8.5	9.0	8.7	30.8	23.1	28.8	30.5	26.1	28.5
25	8.3	7.3	8.3	8.0	33.9	24.9	30.2	32.4	27.7	30.1
26	59.9	59.8	60.8	60.2	30.4	23.9	27.2	29.0	25.8	27.3
27	61.2	61.0	1.4	1.2	30.4	24.7	27.7	29.9	23.8	27.1
28	1.4	0.3	59.7	0.5	30.8	22.8	26.9	29.3	24.5	26.9
29	58.6	56.5	5.5	56.9	34.2	24.7	29.9	31.6	24.9	30.5
30	7.0	7.5	8.3	7.6	31.0	25.8	27.7	29.1	24.7	27.2
	758.40	757.53	758.16	758.11	31.81	23.28	28.24	30.40	25.66	28.10

*Note :—Minimum thermometer broken; replaced next day.

Barometer, range for month 754.8 mm.–761.4 mm.

,, 62-yr. average for month 758.84 mm.

Thermometer, range for month 21.8° C.—34.2° C.

,, 62-yr. average for month 27.17° C.

Rain, total for month 0.0 mm.

,, , 62-yr. average for month 6.60 mm.

,, , total, from Sept. 1st 0.0 mm.

62-yr. average, total from Sept. 1st 6.60 mm.

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Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	16.8	16.8	18.4	17.3	56	54	75	62	11.1	164.8	
2	16.4	15.4	17.0	16.4	58	51	70	60	10.5	176.3	
3	17.9	16.0	17.9	17.3	65	51	71	62	10.5	211.5	
4	14.8	18.0	18.3	18.0	59	53	73	62	10.3	324.5	
5	13.8	17.7	16.6	16.0	49	51	67	56	10.3	287.7	
6	17.3	17.4	19.8	18.2	62	51	84	66	10.1	80.0	
7	18.8	18.6	19.7	19.0	66	56	85	69	9.8	273.5	
8	16.2	14.8	19.6	16.9	52	46	85	61	10.2	191.8	
9	16.2	17.1	14.9	16.7	64	49	61	58	10.3	236.2	
10	17.3	19.0	21.5	19.3	61	54	83	66	10.1	257.2	
11	20.6	18.6	17.3	18.8	73	55	75	68	10.3	212.5	
12	19.7	20.5	18.7	19.6	70	61	80	70	9.5	640.0	
13	18.2	18.0	17.8	18.0	63	56	76	65	9.2	419.2	
14	17.3	17.7	18.5	17.8	59	54	77	63	9.2	223.0	
15	16.7	14.5	18.8	16.7	60	45	77	61	9.7	174.3	
16	18.9	20.9	19.6	19.8	67	61	80	69	9.7	126.7	
17	19.7	19.5	19.9	19.7	70	55	81	70	6.9	172.9	
18	18.7	18.9	19.8	19.1	66	69	79	71	9.1	195.0	
19	19.5	20.1	20.5	20.0	68	62	82	71	9.1	204.6	
20	20.8	20.1	20.5	20.5	70	61	84	72	9.1	134.0	
21	20.7	21.2	21.3	21.1	74	63	88	75	9.1	161.0	
22	19.3	19.7	20.7	19.9	70	60	80	70	9.5	493.2	
23	18.4	20.1	19.9	19.2	65	61	76	67	9.4	388.8	
24	18.0	17.9	14.9	17.9	61	55	71	62	9.0	524.0	
25	13.4	15.3	20.8	16.5	42	42	75	53	9.2	586.0	
26	16.4	23.0	17.2	18.9	61	77	69	69	8.0	324.6	
27	14.9	14.8	15.0	14.9	54	44	68	55	8.0	234.0	
28	15.4	16.7	18.5	16.9	58	35	81	58	9.2	227.8	
29	19.0	17.1	12.9	16.3	60	51	41	51	2.1	365.0	
30	19.1	16.4	15.0	16.8	69	54	65	63	7.3	368.0	
	17.90	18.07	18.45	18.12	62.4	54.7	75.3	64.2	9.17	277.58	

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
62-year averages are for period, 1875-1936

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	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	1cu	0	0	0.3	2n	3w	1w	slight	
2	2cu	2cu	4cu	2.7	2sw	3w	1w	,,	
3	5cu	2cu	2cu	3.0	2w	3w	1w	,,	
4	0	3cu	3cu	2.0	3s	3w	2w	mod.	
5	0	0	0	0.0	4sw	4s	2w	,,	
6	1cu	1cu	0	0.7	2w	2nw	0	slight	
7	0	0	0	0.0	0	3nw	2w	,,	
8	0	0	0	0.0	0	2nw	2w	,,	
9	0	0	0	0.0	1n	2nw	2w	,,	
10	0	0	0	0.0	2n	4n	3n	,,	
11	0	0	0	0.0	0	2n	0	slight	
12	0	2cu	2cu	1.3	4s	4sw	4n	,,	
13	0	2cu	3cu	1.7	4s	4s	3w	mod.	
14	2cu	1cu	1cu	1.3	3w	3w	1w	slight	
15	0	0	0	0.0	2s	2n	2n	,,	
16	0	0	0	0.0	1se	2nw	2nw	slight	
17	1cu	0	0	0.3	2s	2sw	1w	calm	
18	2cu	10cu	8cu	6.7	1s	2nw	2nw	slight	
19	2cu	1cu	1cu	1.3	1ne	2n	2n	,,	
20	1cu	1cu	0	0.7	2s	1s	0	,,	
21	2cu	1cu	0	1.0	2sw	2w	0	calm	
22	0	0	0	0.0	4s	4s	4s	slight	
23	0	0	0	0.0	4s	3s	3w	,,	
24	1cu	1cu	0	0.7	3w	4w	4w	,,	
25	1cu	0	0	0 3	4w	5w	4w	,,	
26	4cu	8cu	4cu	5.3	4w	3sw	3w	mod.	
27	4cu	3cu	0	2.3	2w	2sw	2w	slight	
28	0	0	0	0.0	1ne	2n	2n	,,	
29	3ci	10cu	10cu	7.7	2ne	2nw	3n	calm	
30	7cu	8cu	5cu	6.7	3w	3sw	3w	mod.	
					67	83	61		
					2·2	2·8	2·0		

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Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	3	2	1	1	9	3	8	0	3	30
14:30	5	0	0	0	5	5	8	7	0	30
20:30	6	0	0	0	1	0	17	2	4	30
Totals	14	2	1	1	15	8	33	9	7	90

Number of days with rain 0, fog 0, thunderstorms 0, gale 0.

62-yr. average number of days with rain during month 1.2